

Analisis Eksplorasi Data Masa Rawat Kelahiran Bayi Menggunakan Pendekatan Pohon Regresi (*An Exploratory Analysis of Birth Nursing Home Data Using Regression Tree Approach*)

Oleh

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ABSTRACT

The main objective of this study is to explore birth nursing home data using tree-structured regression. A nonparametric approach of tree-structured regression method is implemented into this data. This approach is slightly different from widely used CART methodology of Breiman et al. (1984, Classification and Regression Trees, Chapman and Hall, New York). The differences between them are those in splitting rules and pruning strategy. Conventional splitting rules are replaced by rules based on log-rank statistics for two sample data. Whereas new pruning strategies are also devised. Final result of this study is to develop groups of babies based on covariates. This study reveals that birth weight, existence of physiological malfunction during nursing home and level of education of mother determine groups development.